

Notice of Allowability

Application No.

09/788,390

Examiner

John Pezzlo

Applicant(s)

TOKUYO ET AL.

Art Unit

2662

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed 2/21/2001.
2. ☒ The allowed claim(s) is/are 1-6.
3. ☒ The drawings filed on 21 February 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 4/13/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


JOHN PEZZLO
PRIMARY EXAMINER

DETAILED ACTION

Allowable Subject Matter

Claims 1-6 are allowable over prior art of record.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance: The applicants have claimed uniquely distinct features in the instant invention, which are not found in the prior art, either singularly or in combination. The independent claims have the following unique features:

1. Regarding claim 1 - A first converting unit rewriting part of IP address information and port number information within a plurality of IP packets when the plurality of IP packets to be relayed, which form a TCP connection, pass through the router device, a unit extracting information indicating an original connection destination of the TCP connection, generating a TCP connection from the router to the connection destination, and linking the two TCP connections with streams, and a second converting unit rewriting part of IP address information and port number information within a plurality of IP packets forming a TCP connection for the TCP connection to the original connection destination, wherein said first and said second converting units handle the two TCP connections as a pair, store information needed for rewriting, which is related with a identification number, in a database by assigning a unique

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identification number to the pair, and manages the two TCP connections with the unique identification number stored in the database.

2. Regarding claim 6 - Rewriting part of IP address information and port number information within a plurality of IP packets when the plurality of IP packets to be relayed, which form a TCP connection, pass through a router device, extracting information indicating an original connection destination of the TCP connection, generating a TCP connection from the router to the connection destination, and linking the two TCP connections with streams, and rewriting part of IP address information and port number information within a plurality of IP packets forming a TCP connection for the TCP connection to the original connection destination, and handling the two TCP connections as a pair, storing information needed for rewriting, which is related with a identification number, in a database by assigning a unique identification number to the pair, and managing the two TCP connections with the unique identification number stored in the database.

Each independent claim identifies the uniquely distinct features, either singularly or in combination, fail to anticipate or render the above limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Claims 1-6 being allowable, **Prosecution On The Merits Is Closed** in this application.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. Golden et al. (US 6,563,793 B1) discloses a method and apparatus for providing guaranteed quality/class of service within and across networks using existing reservation protocols and frame formats.
2. Xu et al. (US 6,151,628) discloses a network access methods, including direct wireless to internet access.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Pezzlo whose telephone number is (703) 306-5420. The examiner can normally be reached on Monday to Friday from 8:30 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou, can be reached on (703) 305-4744. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

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Washington, D.C.

or faxed to:

(703) 872-9306

For informal or draft communications, please label "PROPOSED" or "DRAFT"

Hand delivered responses should be brought to:

Receptionist (Sixth floor)

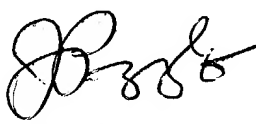
Crystal Park 2

2121 Crystal Drive

Arlington, VA.

John Pezzlo

21 July 2004



JOHN PEZZLO
PRIMARY EXAMINER

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